

EXHIBIT A

**PATENT APPLICATION**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**GENERAL POWER OF ATTORNEY  
TO PROSECUTE APPLICATIONS BEFORE  
THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Assignee Name and Address: NGK Insulators, Ltd.  
2-56, Suda-cho, Mizuho-ku, Nagoya-city  
Aichi-prefecture, 467-8530 Japan

appoints the patent practitioners associated with Oliff & Berridge, PLC Customer  
Number 25944 to represent it before the United States Patent and Trademark Office in  
connection with any and all U.S. patent applications assigned to the above-named assignee.

The undersigned is authorized to act on behalf of the assignee.

**ALL CORRESPONDENCE IN CONNECTION WITH THIS APPLICATION SHOULD  
BE SENT TO OLIFF & BERRIDGE, PLC, CUSTOMER NO. 25944, TELEPHONE  
(703) 836-6400.**

October 28, 2004  
Date

Takafumi Hochi  
Signature

Typed Name: Takafumi Hochi

Title: General Manager, Legal Affairs &  
Intellectual Property Department

02P00480 JS  
JN66K-27POT  
-05

## ASSIGNMENT

(1-6) Insert Name(s) of Inventor(s)

(1) Jos FUJITA (5) \_\_\_\_\_

(2) Naoshi MASUKAWA (6) \_\_\_\_\_

(3) Takeshi HARADA (7) \_\_\_\_\_

(4) \_\_\_\_\_ (8) \_\_\_\_\_

In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, each undersigned agrees to assign, and hereby does assign, transfer and set over to

(9) Insert Name of Assignee

(10) Insert Address of Assignee

(9) NGK INSULATORS, LTD.

(10) 2-56 Saito-cho, Mitohu-ku, Nagoya-shi, Aichi-ken, Japan

(hereinafter designated as the Assignee) and Assignee's heirs, successors, assigns and legal representatives, the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, in the invention, and in all applications for patents including any and all provisional, non-provisional, divisional, continuation, international, confirmation, substitute and renewal applications(s), and all Letters Patent, extensions, renewals and reexamination certificates that may be granted on the invention known as

(11) Insert Identification such as Title, Case Number, or Foreign Application Number

(11) CERAMIC HONEYCOMB STRUCTURE BODY AND METHOD OF MANUFACTURING THE SAME

(Attorney Docket No. 124688)

for which the undersigned has (have) executed an application for patent in the United States of America on even date herewith or

(12) Insert Date of Signing of

(12) April 12, 2006

Application

(13) Alternative

(13) U.S. application Serial Number 10/542,010

Identifications for filed applications

filed April 24, 2006

1) Each undersigned agrees to execute all papers necessary in connection with any application and any continuing, divisional or status applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such applications and patents as the Assignee may deem necessary.

2) Each undersigned agrees to waive all papers necessary in connection with any interference which may be declared concerning any application or continuation or division thereof, or any patent or renewal application based thereon, for the invention, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by renewal or reexamination a grant of a valid United States patent to the Assignee.

5) Each undersigned authenticates and requests the Commissioner of the U.S. Patent and Trademark Office to issue any and all Letters Patent of the United States resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreements in conflict herewith, and agrees that this assignment is binding on him and his heirs, successors, assigns and legal representatives.

6) Each undersigned hereby grants the firm of OLNEY & BARNHART, P.L.C. the power to insert on this assignment, any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date April 12, 2006

Inventor Signature

Inventor Signature

Inventor Signature

Inventor Signature

Inventor Signature

Inventor Signature

Inventor Signature

Inventor Signature

Inventor Signature

(SEAL)

(SEAL)

(SEAL)

(SEAL)

(SEAL)

(SEAL)

(SEAL)

(SEAL)

(SEAL)

This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:

Date

Witness

藤田 稔  
研川 稔  
原田 稔

# ASSIGNMENT

(1-8) Insert Name(s) of Inventor(s)

(1) Jun FUJITA (5) \_\_\_\_\_

(2) Naoshi MASUKAWA (6) \_\_\_\_\_

(3) Takashi HARADA (7) \_\_\_\_\_

(4) \_\_\_\_\_ (8) \_\_\_\_\_

In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, each undersigned agrees to assign, and hereby does assign, transfer and set over to

(9) Insert Name of Assignee (9) NGK INSULATORS, LTD.

(10) Insert Address of Assignee (10) 2-56, Suda-cho, Mizuho-ku, Nagoya-shi, Aichi-ken, Japan

(hereinafter designated as the Assignee) and Assignor's heirs, successors, assigns and legal representatives, the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisional, continuation, international, confirmation, substitute and reissue application(s), and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as

(11) Insert Identification such as Title, Case Number, or Foreign Application Number (11) CERAMIC HONEYCOMB STRUCTURE BODY AND METHOD OF MANUFACTURING THE SAME

(Attorney Docket No. 124688)  
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(12) Insert Date of Signing of Application (12) April 12, 2006  
on \_\_\_\_\_

(13) Alternative (13) U.S. application Serial Number 10/542,010

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In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date	_____	Inventor Signature	_____	(SEAL)	藤田 稯
Date	<u>April 12, 2006</u>	Inventor Signature	<u>Naoshi Masukawa</u>	(SEAL)	森川 稯
Date	<u>April 12, 2006</u>	Inventor Signature	<u>Takashi Harada</u>	(SEAL)	原田 稯
Date	_____	Inventor Signature	_____	(SEAL)	
Date	_____	Inventor Signature	_____	(SEAL)	
Date	_____	Inventor Signature	_____	(SEAL)	
Date	_____	Inventor Signature	_____	(SEAL)	
Date	_____	Inventor Signature	_____	(SEAL)	

This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:

Date \_\_\_\_\_ Witness \_\_\_\_\_

Date \_\_\_\_\_ Witness \_\_\_\_\_

BEST AVAILABLE COPY